6/6/05 6/6/05 6/6/05 6/6/05	6/6/05 6/6/05	6/6/05	6/6/05 6/6/05	9/6/05	9/9/9	9/6/05	9/6/05	6/6/05	6/6/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/13/05	6/16/05	6/16/05	6/16/05	6/16/05
h metal) and (("2: US-PGPUB; USPAT "20020167089" ": US-PGPUB; USPAT duced)) US-PGPUB; USPAT uce or reduction o US-PGPUB; USPAT	Juce or reduction US-PGPUB; USPAT US-PGPUB; USPAT	US-PGPUB; USPAT	EPO; JPO; DERWENT EPO; JPO; DERWENT	EPO; JPO; DERWENT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	rrier)) US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	rrned with chamt US-PGPUB; USPAT	or single) adj ct US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT
	S13 and (((cu of copper of cupric) adj oxide) with ((reduce of reduction US-PGPUB; USPAT S14 not S9 US-PGPUB; USPAT	(hineman and russell).in.	(nineman and russell).in. (hineman or russell).in. and micron.as.	(hineman) in. and micron.as.	(hineman).in. and micron.as.	S23 and damascene	S25 and damascene	(rathi and xu and huang).in.	S29 and (@ad<"20040130" or @rlad<"20040130")	S34 and (("257"/\$3.cor.) or ("438"/\$3.cor.))	(plasma with hydrogen with ((before or prior) near2 barrier))	S36 and (cu or copper)	S36 and damascene	6645852	S43 and (cu or copper)	S44 and damascene	S45 and (@ad<"20040130" or @rlad<"20040130")	S48 and (("257"/\$3.cor.) or ("438"/\$3.cor.))	S49 and damascene	S49 and (cu or copper)	S51 not S50	(damascene with (etch or etched or etching) with performed with chamt US-PGPUB; USPAT	(damascene with (etch or etched or etching) with ((one or single) adj ct US-PGPUB; USPAT	S60 not S59	S62 and damascene
1 0 0 0 1	·	0 0	o 24	21	25	က	9	4	4	33	9	9	2	7	33	9	∞	19	7	တ	7	4	7	-	22
BRS BRS BRS	BRS	BRS	BRS S	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS

6 (chamber or vaccum) with (barrier near2 (remove or removed)) with p US-PGPUB, USPAT 6/16/05 (Indigible) or wn) with (comper or or admascene) with (dr US-PGPUB, USPAT 6/16/05 (Indigible) or wn) with (comper or or admascene) with (dr US-PGPUB, USPAT 6/16/05 (Indigible) or wn) with (comper or or admascene) with (drecomn US-PGPUB, USPAT 6/16/05 (Indigible) or wn) with (comper or admascene) with (checomn US-PGPUB, USPAT 6/16/05 (Indigible) or admascene (Indigible) or admission or	BRS 6 BRS 21 BRS 7 BRS 9 BRS 3 BRS 5			
((tungsten adj nitride) or vm) with (copper or cu or damascene) with (di US-GePuB; USPAT (parasitic adj (capacitor or capacitance)) with ("between" adj (intercomu US-PGPUB; USPAT (parasitic adj (capacitor or capacitance)) with ("between" adj (intercomu US-PGPUB; USPAT (parasitic adj (capacitor or capacitance)) with ("between" adj (intercomu US-PGPUB; USPAT (micropacessor.clm.) and damascene US-PGPUB; USPAT (micropacessor.clm.) and damascene US-PGPUB; USPAT (micropacessor.clm.) and damascene US-PGPUB; USPAT (ST) and (ST) and (micropacessor.clm.) and damascene US-PGPUB; USPAT (ST) and (micropacessor.clm.) and damascene US-PGPUB; USPAT (US-PGPUB; USPAT (SSD and ("C257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT (US-20010034127-\$ or ("438"/\$3.cor.)) and (gad<"20040130" or @US-PGPUB; USPAT (US-20010034127-\$ or ("438"/\$3.cor.)) and (mad<"20040130" or @US-PGPUB; USPAT (US-20010034127-\$ or ("438"/\$3.cor.)) and ("DS-CORDER) (USPAT (US-20010034127-\$ or ("438"/\$3.cor.)) and ("C257"/\$3.cor.)) and ("C257"/\$3.cor.) or ("438"/\$3.cor.)) and ("C257"/\$3.cor.) and ("C257"/\$3.cor.) or ("438"/\$3.cor.)) and ("C257"/\$3.cor.) or ("C250"/\$2.cor.) and ("C257"/\$3.cor.) and ("C257"/\$3		Φ	US-PGPUB; USPAT	6/16/05
(parasitic adj (capacitor or capacitance)) with ("between" adj (interconn US-PGPUB, USPAT (parasitic adj (capacitor or capacitance)) with ("between" adj (interconn US-PGPUB, USPAT (micron.as.) and (microprocessor.clm.) and damascene US-PGPUB, USPAT (microprocessor.clm.) and damascene US-PGPUB, USPAT US-PGPUB; USPAT ST not ST and (microprocessor.clm.) and damascene US-PGPUB; USPAT US-PGPUB; USPAT ST and (microprocessor.clm.) and damascene ST not ST and ("257"/\$3.cor.) or ("438"/\$3.cor.)) SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT SS and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT US-PGPUB; USPAT SS and triple S118 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT US-PGPUB; USPAT integrated adj circuit adj connected adj microprocessor US-PGPUB; USPAT US-PGPUB; USPAT integrated adj circuit adj connected adj microprocessor US-PGPUB; USPAT US-PGPUB; USPAT US-PGPUB; USPAT ST and semiconductor S118 and ("428"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT US-PGPUB; USPAT US-PGPUB; USPAT ST and semiconductor S148 and semiconductor S148 and semiconductor US-PGPUB; USPAT US-PGPUB; USPAT US-PGPUB; USPAT ST and semiconductor S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT US-PGPUB; USPAT US-PGPUB; USPAT ST and semiconductor US-PGPUB; USPAT US-PGPUB; USPAT US-PGPUB; USPAT ST and semiconductor S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT US-PGPUB		(((tungsten adj nitride) or wn) with (copper or cu or damascene) with (d	US-PGPUB; USPAT	6/16/05
((parasitic adj (capacitor or capacitance)) with ("between" adj (interconn US-PGPUB, USPAT (micron.as.) and (microprocessor.clm.) and damascene US-PGPUB; USPAT (micron.as.) and (microprocessor.clm.) and damascene US-PGPUB; USPAT (ST not ST) (ST not (ST not ST) (ST not S		((parasitic adj (capacitor or capacitance)) with ("between" adj (intercon	US-PGPUB; USPAT	6/21/05
((parasitic adj (capacitor or capacitance)) with ("between" adj (interconn US-PGPUB; USPAT (microprocessor.clm.) and damascene US-PGPUB; USPAT (microprocessor.clm.) and damascene US-PGPUB; USPAT 20 ST7 not ST6 US-PGPUB; USPAT 32 ST9 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 280 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 288 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 288 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 288 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 288 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 388 and triple 512 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@add-"20040130" or @US-PGPUB; USPAT 387 and (microprocessor with ("same" adj (chip or substrate))) uS-PGPUB; USPAT 387 and damascene 3135 and damascene 3135 and damascene 3135 and damascene 3135 and (microprocessor with ("same" adj (chip or substrate))) US-PGPUB; USPAT 3148 and semiconductor 3150 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and ("257"/\$3.cor.) and ("257"/\$3.c			US-PGPUB; USPAT	6/21/05
7 (micron.as,) and (microprocessor.clm.) and damascene US-PGPUB, USPAT 27 (microprocessor.clm.) and damascene US-PGPUB, USPAT 287 (microprocessor.clm.) and damascene US-PGPUB, USPAT 287 and ("257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 388 and (@257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 488 and (@257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 488 and (@257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 488 and (@257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 489 and (@257"4\$3.cor.) or ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 489 and triple 688 and ("257"4\$3.cor.)) ("438"4\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB, USPAT 489 and triple 698 and ("257"4\$3.cor.)) ("438"4\$3.cor.)) ("438"4\$3.cor.)) ("438"4\$3.cor.)) ("438"5\$3.cor.)) ("558"5\$3.cor.)) ("64) ("558"5\$3.co		((parasitic adj (capacitor or capacitance)) with ("between" adj (intercon		6/21/05
27 (microprocessor.clm.) and damascene US-PGPUB; USPAT 20 S77 not S78 US-PGPUB; USPAT 32 S77 and ("C57"/\$3.cor.) or ("438"/\$3.cor.) US-PGPUB; USPAT 32 S80 and (@ad<"20040130" or @ntad<"20040130")		(micron.as.) and (microprocessor.clm.) and damascene	US-PGPUB; USPAT	6/21/05
20 S77 not \$76 33 S79 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 45 S80 and (("257"/\$3.cor.) or (@rlad<"20040130") 581 and damascene 582 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or (@ Us-PGPUB; USPAT 583 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or (@ Us-PGPUB; USPAT 589 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or (@ Us-PGPUB; USPAT 589 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or (@ Us-PGPUB; USPAT 589 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or (@ Us-PGPUB; USPAT 689 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 69 and triple 6 S118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 70 S123 and (("428"/\$3.cor.)) 71 Us-PGPUB; USPAT 72 Integrated adj circuit adj connected adj microprocessor 73 Integrated adj circuit adj connected adj microprocessor 74 S135 and (amrascor) 75 S142 and amrascor 76 S142 and semiconductor 77 S142 and semiconductor 78 S148 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 78 S148 and semiconductor 78 S156 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 78 S156 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 79 Us-PGPUB; USPAT 70 S156 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 70 Us-PGPUB; USPAT 71 Us-PGPUB; USPAT 72 Us S156 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 73 S156 and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 74 (("16 for hydro\$1fluoric)) and \$158 75 User PGPUB; USPAT 75 User PGPUB; USPAT 76 User PGPUB; USPAT 77 User PGPUB; USPAT 78 User PGPUB; USPAT 79 User PGPUB; USPAT 79 User PGPUB; USPAT 79 User PGPUB; USPAT 70 User PGPUB; USPAT 71 User PGPUB; USPAT 71 User PGPUB; USPAT 72 User PGPUB; USPAT 73 User PGPUB; USPAT 74 (("16 for hydro\$1fluoric)) and \$158 75 User PGPUB; USPAT 75 User PGPUB; USPAT 75 User PGPUB; USPAT 76 User PGPUB; USPAT 77 User PGPUB; USPAT 78 User PGPUB; USPAT 79 User PGPUB; USPAT 70 User PGPUB; USPAT 70 User PGPUB; USPAT 71 User PGPUB; USPAT 71 User PGPUB; USPAT 72 User PGPUB; USPAT 73 User PGPUB; USPAT 74 User PGPUB; USPAT 75 User PGPUB; USPAT 75 User PGPUB; USPAT 75 User PGPUB; USPAT 75 User PGPUB; U		(microprocessor.clm.) and damascene		6/21/05
33 S79 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 32 S80 and (("267"/\$3.cor.) or ("438"/\$3.cor.)) 33 S81 and damascene 34 S81 and damascene 35 S81 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @Us-PGPUB; USPAT 38 Ond (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @Us-PGPUB; USPAT 48 S9 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @Us-PGPUB; USPAT 49 S92 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @Us-PGPUB; USPAT 40 S92 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @Us-PGPUB; USPAT 41 (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 41 S92 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 42 S123 and (("257"/\$3.cor.)) 43 S142 and damascene 44 S135 and dimicroprocessor with ("same" adj (chip or substrate)) 45 S142 and semiconductor 46 S148 and semiconductor 5148 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 5148 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 5156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 516 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 5178 and damascene 5178 and damascene 5178 and damascene 5178 and damascene 5179 and semiconductor 6170 or ("438"/\$3.cor.)) 6170 or ("438"/\$3.cor.)) 6170 or ("257"/\$3.cor.) or ("438"/\$3.cor.)) 6170 or ("257"/\$3.cor.) or ("438"/\$3.cor.)) 6170 or ("257"/\$3.cor.) or ("438"/\$3.cor.)) 6170 or ("557"/\$3.cor.) 6170 or ("557		S77 not S76		6/21/05
32 S80 and (@ad<"20040130" or @ntad<"20040130") 381 and damascene 381 and damascene 381 and damascene 382 send (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 488 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 489 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 489 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 599 and triple 5118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 681 and (("257"/\$3.cor.)) 710 S123 and (("257"/\$3.cor.)) 812 and damascene 712 integrated adj circuit adj coupled adj microprocessor 8135 and ("428"/\$3.cor.) 8142 and semiconductor 8148 and ("257"/\$3.cor.) 8148 and semiconductor 8158 and (("257"/\$3.cor.)) 816 and (("257"/\$3.cor.)) 8174 and semiconductor 8175 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8175 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8176 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8176 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8177 and semiconductor 8178 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8175 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8176 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8177 and semiconductor 8178 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 8177 and semiconductor 8178 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 8178 and ("1010 rhydro\$1fluoric) and \$158 8178 and ("1010 rhydro\$1fluoric) and \$158		S79 and (("257"/\$3.cor.) or ("438"/\$3.cor.))	US-PGPUB; USPAT	6/21/05
3 S81 and damascene 19 S85 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 2 S87 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 4 S89 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 5 S92 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @US-PGPUB; USPAT 11 (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 12 S99 and triple 13 S148 and (("428"/\$3.cor.)) 14 S135 and (microprocessor with ("same" adj (chip or substrate))) 15 S135 and damascene 16 S142 and semiconductor 17 S148 and (("428"/\$3.cor.)) 18 S148 and (("257"/\$3.cor.)) 19 S156 and (("257"/\$3.cor.)) 20 S156 and (("257"/\$3.cor.)) 21 S156 and (("257"/\$3.cor.)) 22 S156 and (("257"/\$3.cor.)) 23 S148 and semiconductor 24 S156 and (("257"/\$3.cor.)) 25 S156 and (("257"/\$3.cor.)) 26 S156 and (("257"/\$3.cor.)) 27 ((*10 or substrate))) 28 S156 and (("257"/\$3.cor.)) 29 S156 and (("257"/\$3.cor.)) 20 S156 and (("257"/\$3.cor.)) 21 ((*10 or hydro\$ffluoric)) and S158 22 ((*10 or hydro\$ffluoric)) and S158 23 S158 And barries 24 ((*10 or hydro\$ffluoric)) and S158 25 S158 And barries 26 S158 And barries 27 ((*10 or hydro\$ffluoric)) and S158		S80 and (@ad<"20040130" or @rlad<"20040130")	US-PGPUB; USPAT	6/21/05
9 \$85 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 4 \$89 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 589 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 11 (US-20010034127-\$ or US-20020117303-\$).did. US-PGPUB; USPAT 12 (US-20010034127-\$ or US-20020117303-\$).did. US-PGPUB; USPAT 13 (US-20010034127-\$ or US-20020117303-\$).did. US-PGPUB; USPAT 14 (US-20010034127-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 15 (US-20010034127-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 16 (US-20010034127-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 17 (US-20010034127-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 18 and ("257"/\$3.cor.)) 19 integrated adj circuit adj connected adj microprocessor 19 integrated adj circuit adj connected adj microprocessor 19 integrated adj circuit adj connected adj microprocessor 10 US-PGPUB; USPAT 2 ("428"/\$3.cor.)) 2 ("428"/\$3.cor.)) 2 ("428"/\$3.cor.)) 3 (chip or substrate)) 3 (148 and semiconductor 3 ("438"/\$3.cor.)) 4 (148 and semiconductor 5 (148 and semiconductor 6 (151 boc or tboc) and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 4 ((hf or hydro\$ffluoric)) and \$158 10 US-PGPUB; USPAT 2 ((hf or hydro\$ffluoric)) and \$158		S81 and damascene		6/21/05
0 S87 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 4 S89 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 11 (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 0 S99 and triple 5 S118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 1	BRS 19	S85 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @		6/21/05
4 \$89 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 592 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ US-PGPUB; USPAT 11 (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did. US-PGPUB; USPAT 0 \$99 and triple 5 \$118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 12 \$112 and (("428"/\$3.cor.)) 13 integrated adj circuit adj coupled adj microprocessor 14 Integrated adj circuit adj coupled adj microprocessor 15 integrated adj circuit adj connected adj microprocessor 16 \$135 and damascene 17 \$135 and damascene 18 \$135 and (microprocessor with ("same" adj (chip or substrate))) 19 \$142 and (("428"/\$3.cor.)) 19 \$142 and (("428"/\$3.cor.)) 20 \$142 and (("428"/\$3.cor.)) 3148 and semiconductor 3148 and semiconductor 3156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 3157 ((fif or hydro\$1fluoric)) and \$158 3158 and (("157"/\$3.cor.) or ("438"/\$3.cor.)) 3158 and semiconductor 316 ((fif or hydro\$1fluoric)) and \$158 3178 and \$158 and \$158 3178 and \$158 and \$158 3178 and \$158 and \$158	BRS 0	S87 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @		6/21/05
 992 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @ Us-PGPUB; USPAT (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did. US-PGPUB; USPAT S99 and triple \$118 and (("257"/\$3.cor.)) \$123 and (("428"/\$3.cor.)) \$123 and (("428"/\$3.cor.)) \$135 and damascene \$135 and damascene \$135 and damascene \$135 and damascene \$142 and (("428"/\$3.cor.)) \$142 and (("428"/\$3.cor.)) \$142 and (("257"/\$3.cor.)) \$148 and semiconductor \$148 and semico		S89 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @		6/21/05
11 (US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$), did. US-PGPUB; USPAT S99 and triple S118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) S123 and (("428"/\$3.cor.)) 19 integrated adj circuit adj coupled adj microprocessor 10 integrated adj circuit adj coupled adj microprocessor 11 integrated adj circuit adj connected adj microprocessor 12 integrated adj circuit adj connected adj microprocessor 135 and damascene 14 S135 and damascene 15 S142 and ("128"/\$3.cor.)) 16 S142 and ("128"/\$3.cor.) 17 US-PGPUB; USPAT 18 S148 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 18 S148 and semiconductor 19 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 19 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 10 S-PGPUB; USPAT 21 ((\$10c or tboc) and (("257"/\$3.cor.)) or ("438"/\$3.cor.)) 22 ((ft or hydro\$1fluoric)) and S158 23 ((ft or hydro\$1fluoric)) and S158 24 ((ht or hydro\$1fluoric)) and S158		S92 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20040130" or @		6/23/05
0 S99 and triple 6 \$118 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 0 \$123 and (("428"/\$3.cor.)) 19 integrated adj circuit adj coupled adj microprocessor 12 integrated adj circuit adj counnected adj microprocessor 12 integrated adj circuit adj connected adj microprocessor 2 \$135 and damascene 4 \$135 and damascene 5 \$135 and (microprocessor with ("same" adj (chip or substrate))) US-PGPUB; USPAT 0 \$142 and ("428"/\$3.cor.)) US-PGPUB; USPAT 0 \$148 and semiconductor US-PGPUB; USPAT 0 \$148 and semiconductor US-PGPUB; USPAT 0 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 21 ((\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 21 ((hf or hydro\$1fluoric)) and \$158 US-PGPUB; USPAT 4 ((hf or hydro\$1fluoric)) and \$158 US-PGPUB; USPAT		(US-20010034127-\$ or US-20020111037-\$ or US-20020177303-\$).did.	US-PGPUB; USPAT	6/23/05
6 S118 and (("428"/\$3.cor.)) 5 S123 and (("428"/\$3.cor.)) 19 integrated adj circuit adj coupled adj microprocessor 12 integrated adj circuit adj coupled adj microprocessor 13 S135 and damascene 14 S135 and damascene 15 S135 and damascene 16 S142 and ("428"/\$3.cor.)) 17 S142 and ("428"/\$3.cor.)) 18 S142 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 18 S148 and semiconductor 19 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 10 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 11 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 12 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 13 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 16 S156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 17 S156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 18 S156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 18 S156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 19 OS-PGPUB; USPAT 21 (If or hydro\$1fluoric) and \$158		S99 and triple	US-PGPUB; USPAT	6/23/05
0 \$123 and ("428"/\$3.cor.)) 19 integrated adj circuit adj coupled adj microprocessor US-PGPUB; USPAT 12 integrated adj circuit adj connected adj microprocessor US-PGPUB; USPAT 2 \$135 and damascene US-PGPUB; USPAT 4 \$135 and (microprocessor with ("same" adj (chip or substrate))) US-PGPUB; USPAT 5 \$142 and ("428"/\$3.cor.)) US-PGPUB; USPAT 6 \$148 and semiconductor US-PGPUB; USPAT 7 \$148 and semiconductor US-PGPUB; USPAT 8 \$156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 1 ((***thoc or tboc) and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 2 ((***thoc or tboc) and ("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 4 ((***thor hydro\$1fluoric)) and \$158 US-PGPUB; USPAT			US-PGPUB; USPAT	6/23/05
integrated adj circuit adj coupled adj microprocessor 12 integrated adj circuit adj connected adj microprocessor 2 S135 and damascene 4 S135 and damascene 5 S135 and damascene 5 S135 and directorocessor with ("same" adj (chip or substrate)) 5 S142 and ("428",\$3.cor.)) 6 S142 and ("428",\$3.cor.) or ("438",\$3.cor.)) 5 S148 and semiconductor 6 S148 and semiconductor 7 S148 and semiconductor 8 S156 and ("257",\$3.cor.) or ("438",\$3.cor.)) 8 S156 and ("257",\$3.cor.) or ("438",\$3.cor.)) 9 S156 and ("257",\$3.cor.) or ("438",\$3.cor.)) 10 S-PGPUB; USPAT 10 S-PGPUB; USPAT 10 S-PGPUB; USPAT 11 US-PGPUB; USPAT 21 ((**1boc or tboc) and ("257",\$3.cor.) or ("438",\$3.cor.)) 11 US-PGPUB; USPAT 22 ((**1boc or tboc) and \$158 23 US-PGPUB; USPAT 24 ((**1boc or tboc) and \$158 25 USPAT 26 USPAT 27 US-PGPUB; USPAT 28 USPAT 29 USPAT 10 US-PGPUB; USPAT 20 US-PGPUB; USPAT 21 (**1boc or tboc) and \$158				6/23/05
12 integrated adj circuit adj connected adj microprocessor 2 \$135 and damascene 4 \$135 and damascene 5 \$142 and (microprocessor with ("same" adj (chip or substrate)) 5 \$142 and ("428"/\$3.cor.)) 6 \$142 and semiconductor 7 \$148 and semiconductor 8 \$148 and semiconductor 9 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 7 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 9 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.))				6/23/05
2 \$135 and damascene 4 \$135 and (microprocessor with ("same" adj (chip or substrate))				6/23/05
4 \$135 and (microprocessor with ("same" adj (chip or substrate)) US-PGPUB; USPAT 0 \$142 and (("428"/\$3.cor.)) US-PGPUB; USPAT 0 \$142 and semiconductor 0 \$148 and semiconductor 0 \$148 and semiconductor 0 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 0 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 0 US-PGPUB; USPAT 0 \$150 cor tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) US-PGPUB; USPAT 0 US-PGPUB; USPAT 0 \$150 cor tboc) and \$158 \$150 cor tboc) and \$150 co				6/23/05
0 \$142 and (("428"/\$3.cor.)) 6 \$142 and semiconductor 7 0 \$148 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 8 \$148 and semiconductor 9 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 9 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 10 \$156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 11 (\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 12 ((hf or hydro\$1fluoric)) and \$158 12 ((hf or hydro\$1fluoric)) and \$158	BRS 4			6/23/05
6 S142 and semiconductor 0 S148 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 3 S148 and semiconductor 0 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 21 (t\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT US-PGPUB; USPAT	BRS 0			6/23/05
0 S148 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 3 S148 and semiconductor 0 S156 and ("257"/\$3.cor.) or ("438"/\$3.cor.)) 21 (\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT US-PGPUB; USPAT	BRS 6			6/23/05
3 S148 and semiconductor 0 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 21 (t\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT US-PGPUB; USPAT	BRS 0			6/23/05
0 S156 and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 21 (t\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT US-PGPUB; USPAT	BRS 3		US-PGPUB; USPAT	6/23/05
21 (t\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.)) 4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT	BRS 0		US-PGPUB; USPAT	6/23/05
4 ((hf or hydro\$1fluoric)) and S158 US-PGPUB; USPAT	BRS 21	(t\$1boc or tboc) and (("257"/\$3.cor.) or ("438"/\$3.cor.))	US-PGPUB; USPAT	6/25/05
	BRS 4	((hf or hydro\$1fluoric)) and \$158	US-PGPUB; USPAT	6/23/05

T 6/25/05								T 6/25/05 T 6/25/05					т 6/25/05	
US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB: USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	
(t\$1boc or tboc) and S160				((hf or hydro\$1fluoric) with (resist or photo\$1resist) with quick)	S170 and damascene	S168 and damascene	S167 and damascene	.ST/4 and damascene (/microprocessor) with ("same" adi (chin or substrate)) with omboddod us DOD us. usen	\$180 and (@ad<"20040130" or @rlad<"20040130")	S181 and (("257"/\$3.cor.) or ("438"/\$3.cor.))	S184 and (("257"/\$3.cor.) or ("438"/\$3.cor.))	(memory with damascene with density)	(memory with damascene with resistance)	
	- 0	14	0	Q	-	- -		4 6.	30	က	4	4	თ	
BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS		BRS	BRS	BRS	BRS	BRS	